GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:4189
ANSWERED ON:10.04.2003
SUBSIDY UNDER RENEWABLE ENERGY PROGRAMME
A. VENKATESH NAIK

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the amount of subsidy given under various renewable energy programmes of the Union Government to each State Government during each of the last three years;

(b) the quantum of energy produced during the above period State-wise; and

(c) the target fixed for the current financial year, State-wise?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a): The details of funds released under various renewable energy programmes by this Ministry, State-wise, during the last three years are given in Annexure-I.

(b): The details of capacity addition for power generation from various renewable energy systems made during the last three years, State-wise, are given in Annexure-II.

(c): The physical and financial targets are fixed at the national level under various renewable energy programmes. The proposed physical and financial targets for 2003-04 are given in Annexure-III.
(Rs. in crores)
Details of funds released under various renewable energy programmes during 2000-01, 2001-02 and 2002-03

S.No.	States/UTs	Amount Released 2000-01	2001-02	2002-03
1	Andhra Pradesh	20.993	24.988	12.184
2	Arunachal Pr	0.894	16.528	14.750
3	Assam	0.777	0.471	0.990
4	Bihar	0.224	0.134	0.022
5	Goa	0.056	0.020	0.000
6	Gujarat	5.900	5.662	6.070
7	Haryana	4.239	3.477	3.670
8	Himachal Pr	4.370	6.151	8.100
9	Jammu & Kashmir	1.514	0.849	1.190
10	Karnataka	15.210	13.405	12.480
11	Kerala	5.190	10.674	0.780
12	Madhya Pradesh	7.736	3.805	5.453
13	Maharastra	11.120	8.604	12.510
14	Manipur	0.399	1.342	7.622
15	Meghalaya	1.296	2.095	3.729
16	Mizoram	5.042	0.528	1.280
17	Nagaland	1.181	3.341	0.620
18	Orissa	5.448	8.025	2.553
19	Punjab	3.967	12.876	5.740
20	Rajasthan	7.099	9.136	7.460
21	Sikkim	6.681	5.189	7.180
22	Tamil Nadu	5.218	3.942	3.681
23	Tripura	3.264	2.686	4.990
24	Uttar Pradesh	15.531	18.582	16.475
25	West Bengal	15.881	18.157	15.140
26	A & Nicobar	8.049	2.655	3.890
27	Chandigarh	0.020	0.160	5.837
28	D & N Haveli	0.000	0.000	0.000
29	Daman & Diu	0.036	0.000	0.000
30	Delhi	1.402	0.825	0.760
31	Lakshwadeep	2.882	5.725	3.920
32	Pondicherry	0.135	0.132	0.175
33	Chhattisgarh	0.000	1.772	3.173
34	Jharkhand	0.000	0.125	2.000
35	Uttranchal	0.000	1.416	7.170
36	Common to all States	26.841	30.808	23.410

Details of capacity addition from various renewable energy systems for power generation during 2000-01, 2001-02 and 2002-03

Sl.No.	State/UT	Wind Power 2000-01 (MW)	2001-02 (kWp)	2002-03 (MW)	Solar Photovoltaic Power 2000-01 (MW)	2001-02 (kW)	2002-03 (MW)	Small Hydro Power 2000-01	2001-02	2002-03	Biomass Power 2000-01	2001-02	2002-03	Biomass Gasifier 2000-01	2001-02	2002-03	Energy from Wastes 2000-01 (MW)	2001-02	2002-03	Total
1	Andhra Pradesh	3.80	0.70	~	175.00	100.00	~	32.10	11.90	4.90	41.70	47.50	58.85	1650.00	100.00	~	~	4.25	~	4.25
2	Arunanchal Pr	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.00
3	Assam	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.00
4	Bihar	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.00
5	Goa	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.00
6	Gujarat	~	~	5.00	~	~	~	~	~	~	~	~	~	370.00	7070.00	~	~	0.45	~	0.45
7	Haryana	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	~	0.00
8	Himachal Pr	~	~	~	~	~	~	25.70	3.56	1.40	~	~	~	~	~	~	~	~	~	0.00
9	Jammu & Kashmir	~	~	~	~	~	~	8.11	9.00	~	~	~	~	~	~	~	~	~	~	0.00
10	Karnataka	10.40	24.00	46.50	~	~	~	14.55	25.02	26.60	12.00	33.78	300.00	500.00	~	~	~	~	~	0.00
11	Kerala	~	~	~	~	~	~	21.00	~	~	~	~	~	5.00	100.00	5	~	~	~	0.00
12	Madhya Pradesh	~	~	~	~	~	~	~	~	~	~	~	~	200.00	~	~	~	~	~	0.00
13	Maharashtra	110.60	209.40	2.00	~	~	~	3.00	2.00	3.00	~	15.50	~	500.00	~	~	1.00	0.90	~	1.90
14	Manipur	~	~	~	~	~	~	~	0.75	~	~	~	~	~	~	~	~	~	~	0.00

15 Meghalaya ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
16 Mizoram ~ ~ ~ ~ ~ ~ 3.00 ~ ~ ~ ~ ~ ~ ~ 200 ~ ~ ~ 0.00
17 Nagaland ~ ~ ~ ~ ~ ~ ~ 16.00 0.60 ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
18 Orissa ~ ~ ~ ~ ~ ~ ~ ~ 6.00 ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
19 Punjab ~ ~ ~ ~ ~ 200.00 2.30 1.00 4.20 2.00 ~ 10.00 40.00 ~ ~ ~ ~ 0.00
20 Rajasthan 5.30 8.80 45.60 ~ 50.00 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
21 Sikkim ~ ~ ~ ~ ~ ~ ~ ~ 3.00 ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
22 Tamil Nadu 41.90 44.90 132.70 ~ ~ ~ 0.70 2.10 2.50 ~ 8.00 ~ 1700.00 ~ 100 ~ 0.20 1.75 1.95
23 Tripura ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 1000.00 ~ ~ ~ ~ 0.00
24 Uttar Pradesh ~ ~ ~ 100.00 ~ ~ 1.30 6.00 ~ ~ ~ ~ 560.00 660.00 1015 ~ ~ 2.00 2.00
25 West Bengal 0.50 0.60 ~ ~ 25.00 ~ ~ ~ 3.00 ~ ~ ~ 500.00 1685.00 250 ~ ~ ~ 0.00
26 A & Nicobar ~ ~ ~ ~ ~ 50 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
27 Chandigarh ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
28 D & N Haveli ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
29 Daman & Diu ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
30 Delhi ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
31 Lakshwadeep ~ ~ ~ 100.00 200.00 250 ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
32 Pondicherry ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
33 Chattisgarh ~ ~ ~ ~ ~ ~ ~ ~ 0.80 ~ 6.00 ~ ~ ~ 500 ~ ~ ~ 0.00
34 Jharkhand ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
35 Uttranchal ~ ~ ~ ~ ~ ~ ~ ~ 6.45 ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00
36 Common for all States ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ 0.00

Total 172.50 288.40 231.80 375.00 375.00 500 89.10 65.22 70.62 70.30 89.00 102.63 5825.00 11115.00 2070.00 1.00 5.80 3.75 10.55

MW= mega watt; kWp=kilo watt peak; kW=kilo watt

Programme-wise Budget Estimates and Physical Targets for2003-04

Sl.No.	Programmes/ Schemes	Budget Estimates 2003-04	Physical Targets 2003-04
1	Wind power	14.00	250 MW
2	Biomass Power/Cogeneration	18.00	125 MW
3	Biomass Gasification	5.00	5 MW
4	Solar Power		
	Solar Thermal Power	5.00	
	Solar Photovoltaic Power	6.00	750 kW
5	Biogas Plants (NBMMP)	55.00	150000 nos.
6	Improved Chulha	1.00	
7	CBP/IBP	1.00	
8	Rural Energy Entrepreneurship/Institutional Development	0.05	
9	Women & Renewable Energy Development	0.05	
10	Village Electrification Programme	100.00	1000 villages
11	SPV Demonstration & Utilization Programme	40.00	
	Solar home lighting systems		53000 nos.
	Solar Photovoltaic generators		1200 nos.
	Power Plants		450 kWp
12	SPV support to industry,interest subsidy on manf. Loan	2.00	
13	SPV Water Pumps	31.00	1600 nos.
14	SPV R&D	2.00	
15	Small Wind Energy Systems	2.00	
	Wind Pumps		150 nos.
	Hybrid systems		150 kW
16	Solar Thermal Programme	13.00	
	Solar Water Heating Systems		55000 sq.m. coll.area
	Solar Cookers		35000 nos.
	Aditya Solar Shops		10 nos.
17	Energy from U&I Wastes	14.00	10 MW
18	Information & Publicity	4.00	
19	Energy Parks	4.50	65 nos.
20	Integrated Rural energy Programme (IREP)	5.00	550 nos.
21	New Technology		
	Fuel Cell	4.00	
	Hydrogen Energy	2.00	
	Alternate Fuel for surface transport	4.00	
	Ocean (Tidal) Energy	3.00	
	Geo-Thermal	2.00	
	Biofuel	3.00	
22	International Cooperation	1.70	
23	Small Hydro Power	49.50	80 MW
24	TIFAD	1.00	
25	Market Development & Export Promotion	0.25	
26	HRD & Training	1.50	
27	Regional Office	2.00	
28	State Nodal Agencies	1.50	
29	Technology Commercial Funds	0.25	
30	Seminars/Symposiun	0.50	
31	Solar Energy Centre	4.00	
32	NIRE	3.00	
33	Centre for Wind Energy Technology	3.70	
34	Equity IREDA	40.00	
35	North East Allocation#		
	Total (Domestic Budgetary Support)	449.50	
	Externally Aided Projects (EAP)		
36	IDA-II	85.0	
37	UNDP-REG	0.5	
38	GEF Grant for Mathania Project	90.0	
	TOTAL (Gross Budetary Support)	625.00	
39	Internal and Extra Budgetay Resources	458.14	
	Total outlay	1083.14	